

Hamud

1646

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/101,825

Processing Date: 1/13/2000  
Edited by: \_\_\_\_\_  
Verified by: AF (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_.
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☒ Other: Segr 19-22 - deleted INFORMATION from (ix) FEATURE:  
and added (D) OTHER INFO. heading

\*Examiners: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form. 3/1/95

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/101,825DATE: 01/13/2000  
TIME: 16:03:37

INPUT SET: S34448.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

1 SEQUENCE LISTING  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: GRONHOJ LARSEN, Christian  
6 GESSER, Borbala  
7  
8 (ii) TITLE OF INVENTION: IMMUNOMODULATORS  
9  
10 (iii) NUMBER OF SEQUENCES: 23  
11  
12 (iv) CORRESPONDENCE ADDRESS:  
13 (A) ADDRESSEE: BROWDY AND NEIMARK, P.L.L.C.  
14 (B) STREET: 624 Ninth Street N.W., Suite 300  
15 (C) CITY: Washington  
16 (D) STATE: D.C.  
17 (E) COUNTRY: U.S.A.  
18 (F) ZIP: 20001  
19  
20 (v) COMPUTER READABLE FORM:  
21 (A) MEDIUM TYPE: Floppy disk  
22 (B) COMPUTER: IBM PC compatible  
23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
24 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
25  
26 (vi) CURRENT APPLICATION DATA:  
27 (A) APPLICATION NUMBER: US 09/101,825  
28 (B) FILING DATE: 17-JUL-1998  
29  
30 (vii) PRIOR APPLICATION DATA:  
31 (A) APPLICATION NUMBER: PCT/DK97/00021  
32 (B) FILING DATE: 16-JAN-1997  
33  
34 (vii) PRIOR APPLICATION DATA:  
35 (A) APPLICATION NUMBER: PCT/DK96/00029  
36 (B) FILING DATE: 18-JAN-1996  
37  
38 (viii) ATTORNEY/AGENT INFORMATION:  
39 (A) NAME: COOPER, Iver P.  
40 (B) REGISTRATION NUMBER: 28,005  
41 (C) REFERENCE/DOCKET NUMBER: GRONHOJ-LARSEN=2  
42  
43 (ix) TELECOMMUNICATION INFORMATION:  
44 (A) TELEPHONE: (202)628-5197  
45 (B) TELEFAX: (202)737-3528  
46

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/101,825DATE: 01/13/2000  
TIME: 16:03:38

INPUT SET: S34448.raw

47  
48 (2) INFORMATION FOR SEQ ID NO:1:  
49  
50 (i) SEQUENCE CHARACTERISTICS:  
51 (A) LENGTH: 9 amino acids  
52 (B) TYPE: amino acid  
53 (C) STRANDEDNESS: single  
54 (D) TOPOLOGY: linear  
55  
56 (ii) MOLECULE TYPE: peptide  
57  
58 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
59  
60 Ala Tyr Met Thr Met Lys Ile Arg Asn  
61 1 5  
62  
63  
64 (2) INFORMATION FOR SEQ ID NO:2:  
65  
66 (i) SEQUENCE CHARACTERISTICS:  
67 (A) LENGTH: 9 amino acids  
68 (B) TYPE: amino acid  
69 (C) STRANDEDNESS: single  
70 (D) TOPOLOGY: linear  
71  
72 (ii) MOLECULE TYPE: peptide  
73  
74 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
75  
76 Ala Tyr Met Thr Ile Lys Met Arg Asn  
77 1 5  
78  
79  
80 (2) INFORMATION FOR SEQ ID NO:3:  
81  
82 (i) SEQUENCE CHARACTERISTICS:  
83 (A) LENGTH: 9 amino acids  
84 (B) TYPE: amino acid  
85 (C) STRANDEDNESS: single  
86 (D) TOPOLOGY: linear  
87  
88 (ii) MOLECULE TYPE: peptide  
89  
90 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
91  
92 Ala Phe Met Thr Leu Lys Leu Arg Asn  
93 1 5  
94  
95  
96 (2) INFORMATION FOR SEQ ID NO:4:  
97  
98 (i) SEQUENCE CHARACTERISTICS:  
99 (A) LENGTH: 9 amino acids

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/101,825DATE: 01/13/2000  
TIME: 16:03:38

INPUT SET: S34448.raw

100 (B) TYPE: amino acid  
101 (C) STRANDEDNESS: single  
102 (D) TOPOLOGY: linear  
103  
104 (ii) MOLECULE TYPE: peptide  
105  
106 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
107  
108 Ala Tyr Met Thr Met Lys Val Arg Glu  
109 1 5  
110  
111  
112 (2) INFORMATION FOR SEQ ID NO:5:  
113  
114 (i) SEQUENCE CHARACTERISTICS:  
115 (A) LENGTH: 9 amino acids  
116 (B) TYPE: amino acid  
117 (C) STRANDEDNESS: single  
118 (D) TOPOLOGY: linear  
119  
120 (ii) MOLECULE TYPE: peptide  
121  
122 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
123  
124 Gly Tyr Met Thr Met Lys Ile Arg Asp  
125 1 5  
126  
127  
128 (2) INFORMATION FOR SEQ ID NO:6:  
129  
130 (i) SEQUENCE CHARACTERISTICS:  
131 (A) LENGTH: 9 amino acids  
132 (B) TYPE: amino acid  
133 (C) STRANDEDNESS: single  
134 (D) TOPOLOGY: linear  
135  
136 (ii) MOLECULE TYPE: peptide  
137  
138 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
139  
140 Ala Phe Met Thr Met Lys Ile Arg Asp  
141 1 5  
142  
143  
144 (2) INFORMATION FOR SEQ ID NO:7:  
145  
146 (i) SEQUENCE CHARACTERISTICS:  
147 (A) LENGTH: 9 amino acids  
148 (B) TYPE: amino acid  
149 (C) STRANDEDNESS: single  
150 (D) TOPOLOGY: linear  
151  
152 (ii) MOLECULE TYPE: peptide

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/101,825DATE: 01/13/2000  
TIME: 16:03:38

INPUT SET: S34448.raw

153  
154 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
155  
156 Ala Tyr Ile Thr Met Lys Ile Arg Asp  
157 1 5  
158  
159  
160 (2) INFORMATION FOR SEQ ID NO:8:  
161  
162 (i) SEQUENCE CHARACTERISTICS:  
163 (A) LENGTH: 9 amino acids  
164 (B) TYPE: amino acid  
165 (C) STRANDEDNESS: single  
166 (D) TOPOLOGY: linear  
167  
168 (ii) MOLECULE TYPE: peptide  
169  
170 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
171  
172 Ala Tyr Leu Thr Met Lys Ile Arg Asp  
173 1 5  
174  
175  
176 (2) INFORMATION FOR SEQ ID NO:9:  
177  
178 (i) SEQUENCE CHARACTERISTICS:  
179 (A) LENGTH: 9 amino acids  
180 (B) TYPE: amino acid  
181 (C) STRANDEDNESS: single  
182 (D) TOPOLOGY: linear  
183  
184 (ii) MOLECULE TYPE: peptide  
185  
186 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
187  
188 Ala Tyr Val Thr Met Lys Ile Arg Asp  
189 1 5  
190  
191  
192 (2) INFORMATION FOR SEQ ID NO:10:  
193  
194 (i) SEQUENCE CHARACTERISTICS:  
195 (A) LENGTH: 9 amino acids  
196 (B) TYPE: amino acid  
197 (C) STRANDEDNESS: single  
198 (D) TOPOLOGY: linear  
199  
200 (ii) MOLECULE TYPE: peptide  
201  
202  
203 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
204  
205 Ala Tyr Met Thr Ile Lys Ile Arg Asp

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/101,825DATE: 01/13/2000  
TIME: 16:03:39

INPUT SET: S34448.raw

206 1 5  
207  
208  
209 (2) INFORMATION FOR SEQ ID NO:11:  
210  
211 (i) SEQUENCE CHARACTERISTICS:  
212 (A) LENGTH: 9 amino acids  
213 (B) TYPE: amino acid  
214 (C) STRANDEDNESS: single  
215 (D) TOPOLOGY: linear  
216  
217 (ii) MOLECULE TYPE: peptide  
218  
219 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:  
220  
221 Ala Tyr Met Thr Leu Lys Ile Arg Asp  
222 1 5  
223  
224  
225 (2) INFORMATION FOR SEQ ID NO:12:  
226  
227 (i) SEQUENCE CHARACTERISTICS:  
228 (A) LENGTH: 9 amino acids  
229 (B) TYPE: amino acid  
230 (C) STRANDEDNESS: single  
231 (D) TOPOLOGY: linear  
232  
233 (ii) MOLECULE TYPE: peptide  
234  
235 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:  
236  
237 Ala Tyr Met Thr Val Lys Ile Arg Asp  
238 1 5  
239  
240  
241 (2) INFORMATION FOR SEQ ID NO:13:  
242  
243 (i) SEQUENCE CHARACTERISTICS:  
244 (A) LENGTH: 9 amino acids  
245 (B) TYPE: amino acid  
246 (C) STRANDEDNESS: single  
247 (D) TOPOLOGY: linear  
248  
249 (ii) MOLECULE TYPE: peptide  
250  
251 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:  
252  
253 Ala Tyr Met Thr Met Lys Ile Arg Asp  
254 1 5  
255  
256  
257 (2) INFORMATION FOR SEQ ID NO:14:  
258

INPUT SET: S34448.raw

## \* \* PREVIOUSLY ERRORED SEQUENCES - EDITED \*\*\*\*\*

338 (2) INFORMATION FOR SEQ ID NO:19:

339

340 (i) SEQUENCE CHARACTERISTICS:

341 (A) LENGTH: 6 amino acids

342 (B) TYPE: amino acid

343 (C) STRANDEDNESS: single

344 (D) TOPOLOGY: linear

345

346 (ii) MOLECULE TYPE: peptide

347

348 (ix) FEATURE:

349 (D) OTHER INFORMATION: Xaa in position 2 is Met, Ile, Leu or Val;

350 Xaa in position 4 is Met, Ile, Leu or Val;

351 Xaa in position 6 is Asn, Asp, Gln or Glu.

352

353 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:

354

355 Thr Xaa Lys Xaa Arg Xaa

356 1 5

357

358

359 (2) INFORMATION FOR SEQ ID NO:20:

360

361 (i) SEQUENCE CHARACTERISTICS:

362 (A) LENGTH: 7 amino acids

363 (B) TYPE: amino acid

364 (C) STRANDEDNESS: single

365 (D) TOPOLOGY: linear

366

367 (ii) MOLECULE TYPE: peptide

368

369 (ix) FEATURE:

370 (D) OTHER INFORMATION: Xaa in position 1 is Met, Ile, Leu or Val;

371 Xaa in position 3 is Met, Ile, Leu or Val;

372 Xaa in position 5 is Met, Ile, Leu or Val;

373 Xaa in position 7 is Asn, Asp, Gln or Glu.

374

375 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:20:

376

377 Xaa Thr Xaa Lys Xaa Arg Xaa

378 1 5

379

380

381 (2) INFORMATION FOR SEQ ID NO:21:

382

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/101,825DATE: 01/13/2000  
TIME: 16:03:39

INPUT SET: S34448.raw

383 (i) SEQUENCE CHARACTERISTICS:  
384 (A) LENGTH: 8 amino acids  
385 (B) TYPE: amino acid  
386 (C) STRANDEDNESS: single  
387 (D) TOPOLOGY: linear  
388  
389 (ii) MOLECULE TYPE: peptide  
390  
391 (ix) FEATURE:  
392 (D) OTHER INFORMATION: Xaa in position 1 is Tyr or Phe;  
393 Xaa in position 2 is Met, Ile, Leu or Val;  
394 Xaa in position 4 is Met, Ile, Leu or Val;  
395 Xaa in position 6 is Met, Ile, Leu or Val;  
396 Xaa in position 8 is Asn, Asp, Gln or Glu.  
397  
398 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:21:  
399  
400 Xaa Xaa Thr Xaa Lys Xaa Arg Xaa  
401 1 5  
402  
403  
404  
405

---

406 (2) INFORMATION FOR SEQ ID NO:22:  
407  
408 (i) SEQUENCE CHARACTERISTICS:  
409 (A) LENGTH: 9 amino acids  
410 (B) TYPE: amino acid  
411 (C) STRANDEDNESS: single  
412 (D) TOPOLOGY: linear  
413  
414 (ii) MOLECULE TYPE: peptide  
415  
416 (ix) FEATURE:  
417 (D) OTHER INFORMATION: Xaa in position 1 is Ala or Gly;  
418 Xaa in position 2 is Tyr or Phe;  
419 Xaa in position 3 is Met, Ile, Leu or Val;  
420 Xaa in position 5 is Met, Ile, Leu or Val;  
421 Xaa in position 7 is Met, Ile, Leu or Val;  
422 Xaa in position 9 is Asn, Asp, Gln or Glu.  
423  
424 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:22:  
425  
426 Xaa Xaa Xaa Thr Xaa Lys Xaa Arg Xaa  
427 1 5  
428  
429

---



PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/101,825**

DATE: 01/13/2000  
TIME: 16:03:40

*INPUT SET: S34448.raw*

Line	Error	Original Text
------	-------	---------------